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       15apr04 10:43:49 User208737 Session D507.2
            $0.00    0.072 DialUnits File410
      $0.00  Estimated cost File410
      $0.02  TELNET
      $0.02  Estimated cost this search
      $0.34  Estimated total session cost   0.162 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File   5:Biosis Previews(R)  1969-2004/Apr W2
         (c) 2004 BIOSIS
  File  10:AGRICOLA  70-2004/Mar
         (c) format only 2004 The Dialog Corporation

       Set  Items  Description
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? s brassica or canola or rapeseed
          32535  BRASSICA
           4851  CANOLA
           9598  RAPESEED
      S1   41798  BRASSICA OR CANOLA OR RAPESEED
? s hydroxy and fatty and acid
         132142  HYDROXY
         179534  FATTY
        1305784  ACID
      S2    3652  HYDROXY AND FATTY AND ACID
? s densipolic or ricinoleic or lesquerolic or auricolic or lesquirolic
             13  DENSIPOLIC
            350  RICINOLEIC
             30  LESQUEROLIC
             13  AURICOLIC
              0  LESQUIROLIC
      S3     370  DENSIPOLIC OR RICINOLEIC OR LESQUEROLIC OR AURICOLIC OR
                  LESQUIROLIC
? s s1 and s2 and s3
          41798  S1
           3652  S2
            370  S3
      S4       6  S1 AND S2 AND S3
? t 4/3/1-6

 4/3/1     (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0012169376   BIOSIS NO.: 199900429036
Very long chain and hydroxylated fatty acids in offspring of somatic
  hybrids between Brassica napus and Lesquerella fendleri
AUTHOR: Schroder-Pontoppidan M (Reprint); Skarzhinskaya M; Dixelius C;
  Stymne S; Glimelius K
AUTHOR ADDRESS: Department of Plant Biology, Uppsala Genetic Center,
  Swedish University of Agricultural Sciences, 750 07, Uppsala, Sweden**
  Sweden
JOURNAL: Theoretical and Applied Genetics  99 (1-2): p108-114 July, 1999
1999
MEDIUM: print
ISSN: 0040-5752
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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4/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010222106 BIOSIS NO.: 199698689939
Substrate selectivity in esterification of less common **fatty** acids catalysed by lipases from different sources
AUTHOR: Jachmanian I; Schulte E; Mukherjee K D (Reprint)
AUTHOR ADDRESS: Inst. Biochem. Technol. Fette, H. P. Kaufmann-Inst., BAGKF, Piusallee 68, D-48147 Muenster, Germany**Germany
JOURNAL: Applied Microbiology and Biotechnology 44 (5): p563-567 1996 1996
ISSN: 0175-7598
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0007663295 BIOSIS NO.: 199191046186
MINOR COMPONENTS OF LESQUERELLA-FENDLERI SEED OIL
AUTHOR: CHAUDHRY A (Reprint); KLEIMAN R; CARLSON K D
AUTHOR ADDRESS: US DEP AGRIC, AGRIC RES SERV, NORTHERN REGIONAL RES CENT, 1815 NORTH UNIVERSITY ST, PEORIA, ILL 61604, USA**USA
JOURNAL: Journal of the American Oil Chemists' Society 67 (11): p863-866 1990
ISSN: 0003-021X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

4/3/4 (Item 1 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3804039 22025588 Holding Library: AGL
Very long chain and hydroxylated **fatty** acids in offspring of somatic hybrids between **Brassica** napus and Lesquerella fendleri
Schroder-Pontoppidan, M. Skarzhinskaya, M.; Dixelius, C.; Stymne, S.; Glimelius, K.
Swedish University, Uppsala.
Berlin; Springer-Verlag
Theoretical and applied genetics. July 1999. v. 99 (1/2) p. 108-111.
ISSN: 0040-5752 CODEN: THAGA6
DNAL CALL NO: 442.8 Z8
Language: English

4/3/5 (Item 2 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3608302 20590375 Holding Library: AGL
Accumulation of **ricinoleic**, **lesquerolic**, and **densipolic** acids in seeds of transgenic arabidopsis plants that express a **fatty** acyl hydroxylase cDNA from castor bean
Broun, P. Somerville, C.
Carnegie Institution of Washington, Stanford, CA.
Rockville, MD : American Society of Plant Physiologists, 1926-

Plant physiology. Mar 1997. v. 113 (3) p. 933-942.
ISSN: 0032-0889 CODEN: PLPHAY
DNAL CALL NO: 450 P692
Language: English

4/3/6 (Item 3 from file: 10)
DIALOG(R)File 10:AGRICOLA

3590267 20577782 Holding Library: AGL
Substrate selectivity in esterification of less common **fatty** acids catalysed by lipases from different sources
Jachmanian, I. Schulte, E.; Mukherjee, K.D.
Universidad de la Republica, Montevideo, Uruguay.
Berlin, Germany : Springer Verlag.
Applied microbiology and biotechnology. Jan 1996. v. 44 (5) p. 563-567.
ISSN: 0175-7598 CODEN: AMBIDG
DNAL CALL NO: QR1.E9
Language: English

? t 4/5/3

4/5/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0007663295 BIOSIS NO.: 199191046186
MINOR COMPONENTS OF LESQUERELLA-FENDLERI SEED OIL
AUTHOR: CHAUDHRY A (Reprint); KLEIMAN R; CARLSON K D
AUTHOR ADDRESS: US DEP AGRIC, AGRIC RES SERV, NORTHERN REGIONAL RES CENT, 1815 NORTH UNIVERSITY ST, PEORIA, ILL 61604, USA**USA
JOURNAL: Journal of the American Oil Chemists' Society 67 (11): p863-866 1990
ISSN: 0003-021X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ABSTRACT: Routine analysis of **fatty** ester fractions of Lesquerella fendleri oil suggested the presence of eopxy compounds and other minor components. By a combination of open silica column and high performance liquid chromatography (HPLC) fractionations of the methyl esters prepared from the oil, these constituents were isolated and then characterized by thin-layer chromatography (TLC), gas chromatography (GC), gas chromatography-mass spectrometry (GC-MS-electron ionization, EI, and chemical ionization, CI) and nuclear magnetic resonance (NMR-1H- and 13C). Three epoxy acids, 15,16-epoxy-9,12-octadecadienoic, 9,10-epoxy-12-octadecenoic and 9,10-epoxy-octadecanoic, were found. **Hydroxy** acids present included a C-22 homologue of **lesquerolic acid** (16-**hydroxy**-12-docosenoic **acid**) and 14,15-dihydroxy-tricosanoic ***acid*** . Other minor components included four sterols, ***brassica*** -sterol, campesterol. β-sitosterol and stigmasterol, and a series of saturated and unsaturated ***fatty*** acids up to C30.

DESCRIPTORS: PLANT **FATTY** ESTER FRACTIONS EPOXY COMPOUNDS STEROLS FATS AND OILS AGRICULTURE
DESCRIPTORS:
MAJOR CONCEPTS: Agronomy--Agriculture; Biochemistry and Molecular Biophysics; Reproduction
BIOSYSTEMATIC NAMES: Cruciferae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

COMMON TAXONOMIC TERMS: Angiosperms; Dicots; Plants; Spermatophytes;
Vascular Plants
CONCEPT CODES:
10060 Biochemistry studies - General
10066 Biochemistry studies - Lipids
10067 Biochemistry studies - Sterols and steroids
10504 Biophysics - Methods and techniques
10506 Biophysics - Molecular properties and macromolecules
51512 Plant physiology - Reproduction
51522 Plant physiology - Chemical constituents
52514 Agronomy - Oil crops
BIOSYSTEMATIC CODES:
25880 Cruciferae
?

2/3/39 (Item 9 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3440862 20455990 Holding Library: AGL
Ricinoleic and cyclopropene acids in Trichodesma zeylanicum **seed oil**
Hosamani, K.M.
Janata Shikshana Samiti's College, Vidyagiri, Dharwad, India.
Oxford : Elsevier Science Ltd.
Phytochemistry. Dec 1994. v. 37 (6) p. 1621-1624.
ISSN: 0031-9422 CODEN: PYTCAS
DNAL CALL NO: 450 P5622
Language: English

2/3/40 (Item 10 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3238199 92072845 Holding Library: AGL
Ricinoleic acid in Artocarpus integrifolia **seed oil**
Daulatabad, C.D. Mirajkar, A.M.
Karnatak University, Dharwad, India
Champaign, Ill. : The Society.
Journal of the American Oil Chemists' Society. Nov 1989. v. 66 (11) p. 1631.
ISSN: 0003-021X CODEN: JJASDH
DNAL CALL NO: 307.8 J82
Language: English

2/3/41 (Item 11 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3210113 92053596 Holding Library: AGL
Unusual fatty acids of Cordia rothii **seed oil**
Daulatabad, C.M.J.D. Desai, V.A.; Hosamani, K.M.
Karnatak University, Dharwad, India
Essex : Elsevier Applied Science.
Journal of the science of food and agriculture. 1992. v. 58 (2) p. 285-286.
ISSN: 0022-5142 CODEN: JSFAA
DNAL CALL NO: 382 SO12
Language: English

2/3/42 (Item 12 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3171949 92028300 Holding Library: AGL
Ricinoleic acid biosynthesis and triacylglycerol assembly in microsomal preparations from developing castor-bean (Ricinus communis) endosperm
Bafor, M. Smith, M.A.; Jonsson, L.; Stobart, K.; Stymne, S.
Nigerian Institute for **Oil** Palm Research, Benin City, Nigeria
London : The Biochemical Society.
The Biochemical journal. Dec 1, 1991. v. 280 (pt.2) p. 507-514.
ISSN: 0264-6021 CODEN: BIJOAK
DNAL CALL NO: QP501.B64

Language: English

2/3/43 (Item 13 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3158901 92016352 Holding Library: AGL
Novel fatty acids in Azima tetracantha **seed oil**
Daulatabad, C.D. Desai, V.A.; Hosamani, K.M.; Jamkhandi, A.M.
Karnatak University, Dharwad, India
Champaign, Ill. : The Society.
Journal of the American Oil Chemists' Society. Dec 1991. v. 68 (12) p. 978-979.
ISSN: 0003-021X CODEN: JJASDH
DNAL CALL NO: 307.8 J82
Language: English

2/3/44 (Item 14 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3102513 91036007 Holding Library: AGL
Unusual fatty acids in Brunfelsia americana **seed oil**: a rich source of **oil**
Daulatabad, C.D. Hosamani, K.M.
Karnatak University, Dharwad, India
Champaign, Ill. : The Society.
Journal of the American Oil Chemists' Society. Aug 1991. v. 68 (8) p. 608-609.
ISSN: 0003-021X CODEN: JJASDH
DNAL CALL NO: 307.8 J82
Language: English

2/3/45 (Item 15 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

3018885 90045033 Holding Library: AGL
Surface active properties of sulfonated isoricinoleic acid
Ahmad, I. Singh, J.
Guru Nanak Dev University, Amritsar, India
Champaign, Ill. : The Society.
Journal of the American Oil Chemists' Society. Apr 1990. v. 67 (4) p. 205-208.
ISSN: 0003-021X CODEN: JJASDH
DNAL CALL NO: 307.8 J82
Language: English

2/3/46 (Item 16 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

2923834 89049934 Holding Library: AZUA; AGL
Yield potential of Lesquerella fendleri (Gray) Wats., a new desert plant resource for hydroxy fatty acids
Thompson, A.E. Dierig, D.A.; Johnson, E.R.
U.S. Water Conservation Laboratory, USDA, ARS, Phoenix, AZ
London : Academic Press.

Journal of arid environments. May 1989. v. 16 (3) p. 331-336.
ISSN: 0140-1963
DNAL CALL NO: QH541.5.D4J6
Language: English

2/3/47 (Item 17 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

2912699 89040262 Holding Library: AZUA; AGL
Low pressure hydrogenation of castor **oil**
Trivedi, R.K. Vasishtha, A.K.
Harcourt Butler Technological Institute, Kanpur, India
Champaign, Ill. : The Society.
Journal of the American Oil Chemists' Society. Sept 1988. v. 65 (9) p. 1467-1469.
ISSN: 0003-021X CODEN: JJASDH
DNAL CALL NO: 307.8 J82
Language: English

2/3/48 (Item 18 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

2887994 89020815 Holding Library: AGL
Unusual fatty acids of Crotalaria retusa **seed oil**
Daulatabad, C.M.J.D. Hosamani, K.M.; Mulla, G.M.M.
Essex : Elsevier Science Publishers.
Journal of the science of food and agriculture. 1989. v. 47 (2) p. 253-255.
ISSN: 0022-5142 CODEN: JSFAA
DNAL CALL NO: 382 SO12
Language: English

2/3/51 (Item 21 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

254945 729036743
Ricinoleic acid in Linum mucronatum **seed oil**
Kleiman, R; Spencer, G F
Lipids Dec 1971 6 (12): 962-963.
LC: QP751.L5
Language: English

2/3/52 (Item 22 from file: 10)
DIALOG(R)File 10:AGRICOLA
(c) format only 2004 The Dialog Corporation. All rts. reserv.

032566 709030827
Hiptage benghalensis: a new **seed oil** rich in **ricinoleic** acid
Siddiqui, I A; Osman, S M
Chem Indus July 19, 1969 29: 988-989.
LC: 382 M31C
Language: English
?

b 5,10
13apr04 14:54:10 User208737 Session D506.2
$0.00 0.072 DialUnits File410
$0.00 Estimated cost File410
$0.03 TELNET
$0.03 Estimated cost this search
$0.34 Estimated total session cost 0.160 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2004/Apr W1
(c) 2004 BIOSIS
File 10:AGRICOLA 70-2004/Mar
(c) format only 2004 The Dialog Corporation

Set	Items	Description
? s ricinoleic and brassica		
	349	RICINOLEIC
	32514	BRASSICA
S1	12	RICINOLEIC AND BRASSICA

? t 1/3/1-12

1/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0012169376 BIOSIS NO.: 199900429036
Very long chain and hydroxylated fatty acids in offspring of somatic hybrids between **Brassica** napus and Lesquerella fendleri
AUTHOR: Schroder-Pontoppidan M (Reprint); Skarzhinskaya M; Dixelius C; Stymne S; Glimelius K
AUTHOR ADDRESS: Department of Plant Biology, Uppsala Genetic Center, Swedish University of Agricultural Sciences, 750 07, Uppsala, Sweden** Sweden
JOURNAL: Theoretical and Applied Genetics 99 (1-2): p108-114 July, 1999 1999
MEDIUM: print
ISSN: 0040-5752
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010869181 BIOSIS NO.: 199799503241
Accumulation of **ricinoleic**, lesquerolic, and densipolic acids in seeds of transgenic arabidopsis plants that express a fatty acyl hydroxylase cDNA from castor bean
AUTHOR: Broun Pierre; Somerville Chris (Reprint)
AUTHOR ADDRESS: Carnegie Inst. Washington, Dep.. Plant Biol., 290 Panama St., Stanford, CA 94305, USA**USA
JOURNAL: Plant Physiology (Rockville) 113 (3): p933-942 1997 1997
ISSN: 0032-0889
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1/3/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010314127 BIOSIS NO.: 199698781960
Cholinephosphotransferase and diacylglycerol acyltransferase: Substrate specificities at a key branch point in seed lipid metabolism
AUTHOR: Vogel Guido; Browse John (Reprint)
AUTHOR ADDRESS: Inst. Biol. Chem., Washington State Univ., Pullman, WA 99164-6340, USA**USA
JOURNAL: Plant Physiology (Rockville) 110 (3): p923-931 1996 1996
ISSN: 0032-0889
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010222106 BIOSIS NO.: 199698689939
Substrate selectivity in esterification of less common fatty acids catalysed by lipases from different sources
AUTHOR: Jachmanian I; Schulte E; Mukherjee K D (Reprint)
AUTHOR ADDRESS: Inst. Biochem. Technol. Fette, H. P. Kaufmann-Inst., BAGKF, Piusallee 68, D-48147 Muenster, Germany**Germany
JOURNAL: Applied Microbiology and Biotechnology 44 (5): p563-567 1996 1996
ISSN: 0175-7598
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010199257 BIOSIS NO.: 199698667090
Germinating rapeseed as biocatalyst for lipolytic and synthetic reactions
BOOK TITLE: Plant lipid metabolism
AUTHOR: Mukherjee Kumar D; Jachmanian Ivan
BOOK AUTHOR/EDITOR: Kader J-C (Editor); Mazliak P (Editor)
AUTHOR ADDRESS: Inst. Biochem. Technol. Lipids, H.P. Kaufmann-Inst., BAGKF, Piusallee 68, D-48147 Muenster, Germany**Germany
p549-551 1995
BOOK PUBLISHER: Kluwer Academic Publishers, PO Box 989, 3300 AZ Dordrecht, Netherlands
Kluwer Academic Publishers, 101 Phillip Drive, Norwell, Massachusetts 02061, USA
CONFERENCE/MEETING: 11th International Meeting on Plant Lipids Paris, France June 26-July 1, 1994; 19940626
ISBN: 0-7923-3250-4
DOCUMENT TYPE: Book; Meeting; Book Chapter; Meeting Paper
RECORD TYPE: Citation
LANGUAGE: English

1/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0008706958 BIOSIS NO.: 199395009224

Evidence for cytochrome b-5 as an electron donor in **ricinoleic** acid biosynthesis in microsomal preparations from developing castor bean (Ricinus communis L.)

AUTHOR: Smith Mark A; Jonsson Lisbeth; Stymne Sten; Stobart Keith (Reprint)
AUTHOR ADDRESS: Dep. Botany, Univ. Bristol, Bristol BS8 1UG, UK**UK

JOURNAL: Biochemical Journal 287 (1): p141-144 1992
ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English